

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1018	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 17:18
S2	364	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 17:24
S3	211	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn) and (model\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 17:19

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S4	206	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:25
S5	42	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:25
S6	41	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:25

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S7	41	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:25
S8	40	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:25
S9	5	(HOU.in. or WAGNER.in. or ZHANG.in. or STEINBRUEK.in. or ANGELO.in. or ANDERSON.in.) and (exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (60/272-324. ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:23

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S10	1675	((exhaust near3 gas) and (engine) and (space or volumn)).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:25
S11	2	((exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4)).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:26
S12	0	((exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap))).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:26
S13	0	((exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)). CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:26

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S14	8	(((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)). CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:26
S15	0	((exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap))).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:26
S16	708	((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:28
S17	3061	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:26

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S18	393	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 18:15
S19	339	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 18:15
S20	146	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 18:14
S21	139	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 18:14

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S22	115	((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 17:28
S23	83	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 17:29
S24	73	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 17:28
S25	16	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/22 17:29

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S26	15	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:30
S27	66	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) and (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 17:33
S28	12	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 near4 (energy or temperature or heat\$4)) and ((heat\$4 or energy or enerz\$4) and (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:18

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S29	16	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:14
S30	15	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:38
S31	73	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:16
S32	83	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:19

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S33	12	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 near4 (energy or temperature or heat\$4)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:38
S34	101	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:23
S35	99	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 near4 (energy or temperature or heat\$4)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:33
S36	99	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:23

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S37	1	S36 not (oil near4 shell)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:35
S38	2	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (transfer near4 function) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:24
S39	0	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (transfer near4 function) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:38
S40	26	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and (heat\$4 or energy or enerz\$4) and (transfer near4 function) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:37

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S41	1	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and (transfer near4 function) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:38
S42	99	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 near4 (energy or temperature or heat\$4)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and ((transfer or transient) near4 (equation or function))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:34
S43	99	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 near2 (energy or temperature or heat\$4)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and ((transfer or transient) near4 (equation or function))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:35
S44	1	S42 not (oil near4 shell)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:35

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S45	1	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 near2 (energy or temperature or heat\$4)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and ((transfer or transient) near4 (equation or function)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:36
S46	2	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 and (energy or temperature or heat\$4)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and ((transfer or transient) near4 (equation or function)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:36
S47	45	(exhaust near3 gas) and (engine) and (space or volumn) and (model\$4 and (energy or temperature or heat\$4)) and ((transfer or transient) near4 (equation or function)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/22 18:37

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S48	50	("4188364" "4314345" "4403473" "4473536" "4751054" "4941318" "4961917" "4963332" "5024981" "5047220" "5116579" "5289678" "5303168" "5319921" "5351484" "5357751" "5357753" "5363646" "5490064" "5513522" "5516497" "5522218" "5606855" "5627757" "5628186" "5643536" "5669219" "5785937" "5802843" "5833932" "5842341" "5845487" "5938715" "5948723" "5974794" "5996338" "6026793" "6073073" "6094975" "6119448" "6145302" "6164125" "6167698" "6188953" "6199374" "6354134" "6408616" "6415602" "6490856" "6742330"). PN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/01/22 18:39
S49	23	("5732551" "6742330" "6990800" "7047728" "7150145").URPN.	USPAT	OR	ON	2007/01/22 18:39

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S50	72	("4188364" "4314345" "4403473" "4473536" "4751054" "4941318" "4961917" "4963332" "5024981" "5047220" "5116579" "5289678" "5303168" "5319921" "5351484" "5357751" "5357753" "5363646" "5490064" "5513522" "5516497" "5522218" "5606855" "5627757" "5628186" "5643536" "5669219" "5785937" "5802843" "5833932" "5842341" "5845487" "5938715" "5948723" "5974794" "5996338" "6026793" "6073073" "6094975" "6119448" "6145302" "6164125" "6167698" "6188953" "6199374" "6354134" "6408616" "6415602" "6490856" "6742330"). PN. OR ("5732551" "6742330" "6990800" "7047728" "7150145"). URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/01/22 18:39
S51	37	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and (heat\$4 or energy or enerz\$4) and (transfer near4 function) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:41

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S52	2	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (transfer near4 function) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:41
S53	6	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and (transfer near4 function) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:41
S54	25	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4 near4 (energy or temperature or heat\$4)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:38

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S55	27	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:41
S56	299	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and (heat\$4 or energy or enerz\$4) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:42
S57	103	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:42
S58	161	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:42

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S59	161	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:42
S60	299	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4 and (energy or temperature or heat\$4)) and (heat\$4 or energy or enerz\$4) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:42
S61	161	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and (model\$4 and (energy or temperature or heat\$4)) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/01/24 08:42

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S62	103	(exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and (model\$4 and (energy or temperature or heat\$4)) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4) and (transfer near4 function)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/24 12:54
S63	22	((exhaust near3 gas) and (engine) and (space or volum\$4 or volumetric) and (model\$4) and (model\$4 near4 (energy or temperature or heat\$4 or thermal)) and ((heat\$4 or energy or enerz\$4) near4 (funct\$4 or equation)) and ((particulat\$4 or particle\$4 or soot) near4 (filter or trap)) and (cataly\$4)) NOT (OIL near4 SHELL)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/01/24 12:55